

Message

From: Steve Via [SVia@awwa.org]
Sent: 3/4/2019 4:14:46 PM
To: Brozena, Sarah [Sarah_Brozena@americanchemistry.com]; Burneson, Eric [Burneson.Eric@epa.gov]; Andes, Fredric P. [fandes@btlaw.com]; Fischer, David [David_Fischer@americanchemistry.com]; Brendan_Mascarenhas@americanchemistry.com
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call
Attachments: 2019 03 GlobalChem Via.pptx

Attached is revised per Eric and Sarah's observations.

Steve

Steve Via
Director Federal Relations, AWWA | 202.326.6130

From: Brozena, Sarah <Sarah_Brozena@americanchemistry.com>
Sent: Monday, March 04, 2019 8:59 AM
To: Steve Via <SVia@awwa.org>; 'Burneson.eric@Epa.gov' <Burneson.eric@Epa.gov>; Andes, Fredric P. <fandes@btlaw.com>; Fischer, David <David_Fischer@americanchemistry.com>; Mascarenhas, Brendan <Brendan_Mascarenhas@americanchemistry.com>
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Hey Steve,

Thanks for the opportunity to review. Very informative presentation. I had a couple of comments.

Slide 2: I'm a little confused about how to read the concentric circles on public water systems and community water systems. Perhaps it'll be clearer as you speak to the slides. In particular, what do the percentages in each of the two circles refer to – population served (millions) or number of systems that are groundwater vs. surface water? I thought I understood what you were saying in the PWS circle, but then the CWS circle only includes percentages for the surface water CWSs.

Slide 3 appears to be using PFOA/PFOS as a case example for how something can become a contaminant under the SDWA. Obviously not all chemicals will follow this precise set of events. So perhaps it would be clearer if you revised the title of the slide to something like "Case Example of How Something Might Become a "Contaminant" . Also, this slide includes MCL regulatory determinations in 2019 and effective in 2027. Is this just a forecast of when these would be done? These aren't set in stone yet are they? Again, if the title of the slide were revised a bit to qualify the information, that would help.

Slide 9: I'd suggest the title of this slide NOT include the phrase "other than PFAS". You use PFOA and PFOS as an example in slide 3, but that's not the main focus of your presentation. So I think a more neutral title such as "Other Contaminants of Emerging Concern that Water Systems are Thinking About" would be better.

Just some suggestions.

Sarah

From: Steve Via [mailto:SVia@awwa.org]
Sent: Sunday, March 3, 2019 5:50 PM
To: Brozena, Sarah <Sarah_Brozena@americanchemistry.com>; 'Burneson.eric@Epa.gov' <Burneson.eric@Epa.gov>; Andes, Fredric P. <fandes@btlaw.com>; Fischer, David <David_Fischer@americanchemistry.com>; Mascarenhas,

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Sent: Tuesday, February 26, 2019 3:33 PM

To: Brozena, Sarah; 'Burneson.eric@Epa.gov'; Andes, Fredric P.; Fischer, David; Steve Via; Mascarenhas, Brendan

Subject: GlobalChem Panel on Drinking Water Organizing Call

When: Wednesday, February 27, 2019 9:30 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).

Where: [Ex. 6 Personal Privacy (PP)] Pin# [Ex. 6 Personal Privacy (PP)]

TO: Eric Burneson, EPA

Fred Andes, Barnes and Thornburg

David Fischer, IBEX Partners

Steve Via, American Water Works Association

FROM: Sarah Brozena and Brendan Mascarenhas, ACC

RE: Organizing Call

DATE: Feb. 26, 2019

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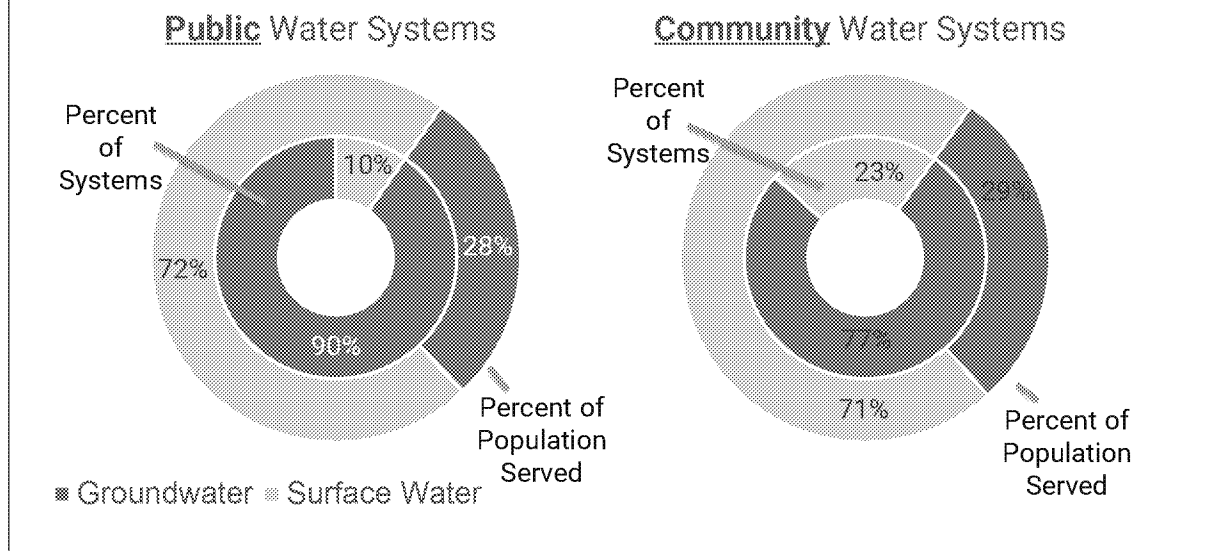
American Water Works
Association

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CONTAMINANTS OF EMERGING CONCERN

STEVE VIA
AT GLOBALCHEM, WASHINGTON DC
MARCH 8, 2019

Who Is Regulated Under SDWA?



Population served is on the order of 300 million

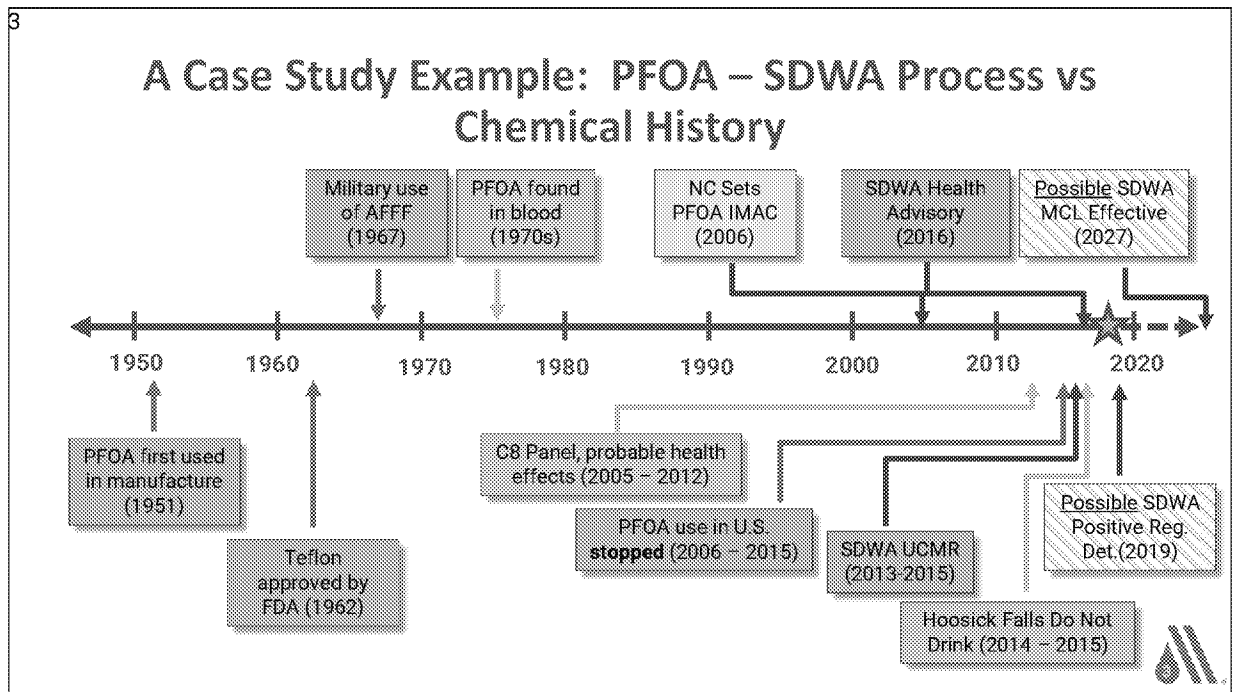
Roughly 150,000 PWSs

Roughly 50,000 CWSs

PWSs - "a system for the provision to the public of water for human consumption through pipes or other constructed conveyances, if such system has at least fifteen service connections, or regularly serves at least twenty-five individuals."

CWSs include public water systems that serve 25 people or 15 connections year-round.

NCWSs are PWSs that do not serve a permanent resident population



Every chemical history is different

The most salient points in this figure are not limited to PFAS, they apply equally well to:

Hexavalent chromium

Fire retardants that now replace PCBs

Nanomaterials

When environmental fate is not adequately considered early on

In the instance of PFAS there is significant public concern when occurrence is limited to very low concentrations at a limited number of systems

At present less than 2% of water systems have PFOA or PFOS above 70 ng/L

Individual state surveys are not turning up higher levels of occurrence.

There is limited occurrence of replacement chemicals in the same family though levels are seen in some locations at 100 ng/L levels.

PFAS is also indicative of other large groups chemicals that can be presented scientifically or to the public as being similar (e.g., pharmaceuticals)

Entire SDWA Process Impacts Utilities

	Contaminant Candidate List	Health Advisory / Reference Level	Unregulated Contaminant Monitoring Rule	Regulatory Determination	Proposed Rule	Final Rule
Duration	5 – 20 years or longer	No precursor, permanent until replaced	New list every 5 years; <30 analytes	New list every 5 years; >5 decisions	2 – 3 years	2 – 3 years; permanent until replaced
Regulatory Action	None	States / EPA use in site-specific situations	Monitoring & publication of observations (see HA/RL implications)	None	None	Any necessary treatment, ongoing monitoring, enforceable & public notice
Planning	Enters planning considerations	Enters planning considerations	Considered in planning	Actively considered in planning	Active response	Reliable compliance with margin of safety
Public	Impacts awareness	Elevates awareness	Drives awareness	Focuses awareness	Focuses awareness	Engaged



Analytical methods are key

Consistency in the health effects data

Degree to which contaminant is an anthropogenic, imposed contaminant concern matters in terms of public awareness and concern

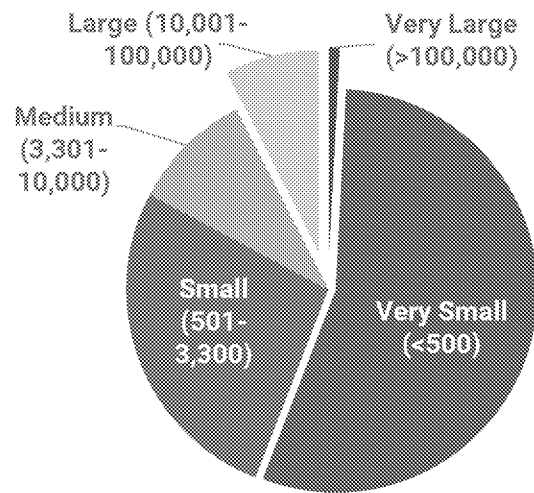
Cost Consequences

- More than 75% of community water systems are ground water systems
- Treatment (example theoretical 10 MGD facility)
 - Conventional treatment , \$ 30 – 40 million
 - Addition of granular activated carbon or ozone, another \$10 million
 - Addition of reverse osmosis, \$40 million
- In addition to treatment
 - Preparatory studies, piloting, design, construction oversight, etc.
 - Related costs (intakes, pipelines, storage, electrical, SCADA, personnel, etc.)
 - Unanticipated consequences (e.g., corrosion control)
 - Monitoring
 - Residual disposal



Loss of supply

Consequences of System Size



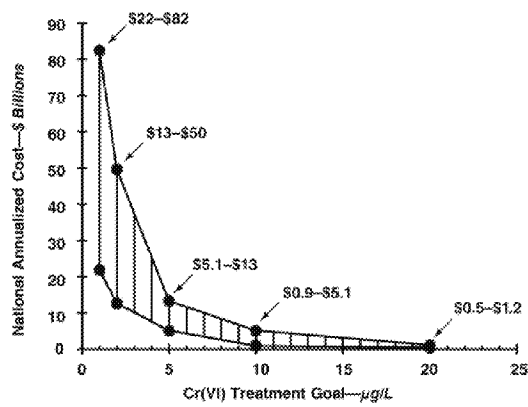
There are 150,000 public water systems

There are 50,000 community water systems (15 connections, same 25 people all year)

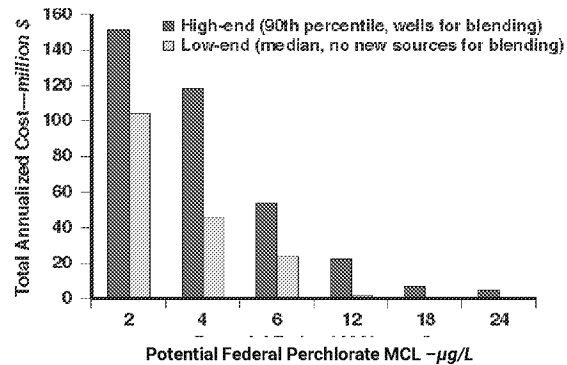
Less than 10 percent of community water systems serve more than 10,000 persons

Approximately 10% (about 4,200 systems) serve 10,000 or more people and provide drinking water to more than 80% of the U.S. population.

National Consequences --Treatment Objectives Matter



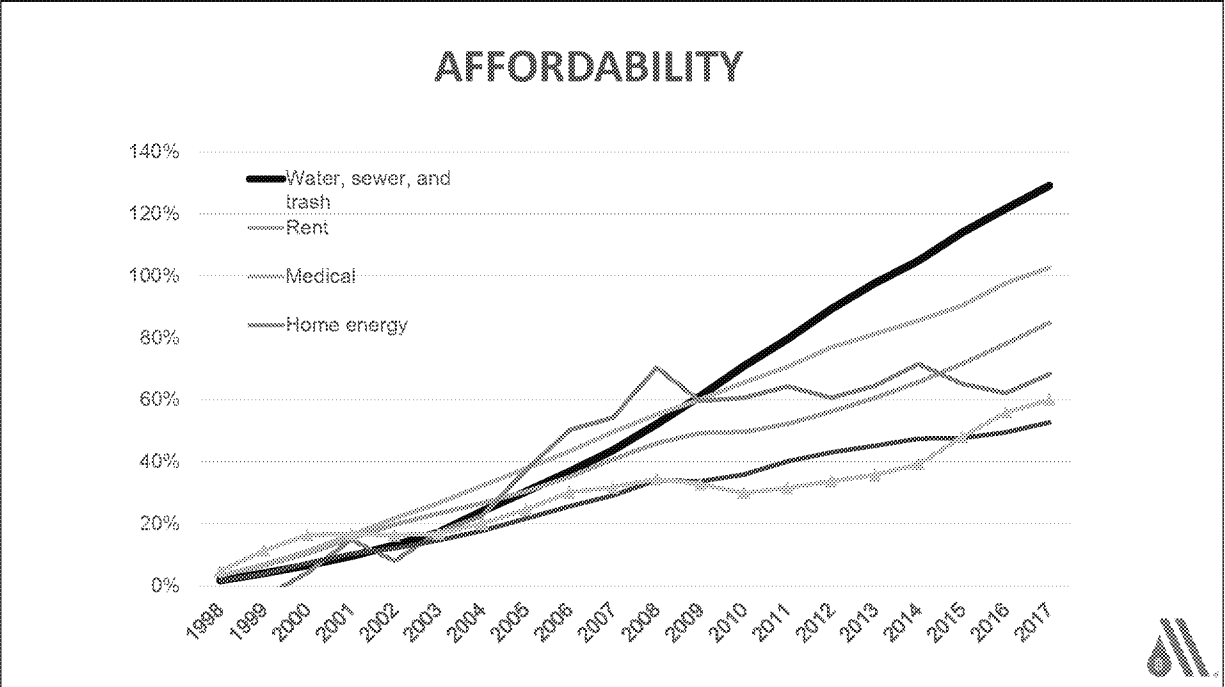
Journal - American Water Works Association, Volume: 105, Issue: 6, Pages: E320-E336, First published: 01 June 2013, DOI: (10.5942/jawwa.2013.105.0080)



Journal - American Water Works Association, Volume: 109, Issue: 2, Pages: E25-E36, First published: 01 February 2017, DOI: (10.5942/jawwa.2017.109.0009)



These slides are AWWA sponsored cost analyses of contaminants on different stages in the regulatory process at present
 Determines appropriate treatment - GAC, IX, RO, etc.
 Determines the number of facilities impacted



Infrastructure replacement
Additional water supply
Resilience
Bimodal income distribution

Some Other Emerging Contaminants that Water Systems Are Thinking About

- Cyanotoxins
 - Microcystins
 - Cylindrospermopsin
 - Saxotoxin
- Manganese
- Brominated and iodinated disinfection byproducts
- 1,2,3-Trichloropropane (TCP)
- 1,4-Dioxane
- Hexavalent chromium
- Pharmaceuticals
- Personal care products
- Endocrine Disruptors
- Microplastics



Message

From: Brozena, Sarah [Sarah_Brozena@americanchemistry.com]
Sent: 3/4/2019 2:15:57 PM
To: Burneson, Eric [Burneson.Eric@epa.gov]; svia@awwa.org; Andes, Fredric P. [fandes@btlaw.com]; Fischer, David [David_Fischer@americanchemistry.com]; Brendan_Mascarenhas@americanchemistry.com
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

I have no questions or comments on your slides, Eric.
Thanks,
Sarah

From: Burneson, Eric [mailto:Burneson.Eric@epa.gov]
Sent: Monday, March 4, 2019 8:28 AM
To: Via, Steve <svia@awwa.org>; Brozena, Sarah <Sarah_Brozena@americanchemistry.com>; Andes, Fredric P. <fandes@btlaw.com>; Fischer, David <David_Fischer@americanchemistry.com>; Mascarenhas, Brendan <Brendan_Mascarenhas@americanchemistry.com>
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Thanks Steve for sharing your presentation. I would ask that when delivering slide 7 you note that you are speculating on Agency decisions which have not been made with respect to the potential MCL's and treatment goals and MCLs for Hexavalent Chromium and Perchlorate. The Agency has not made a decision to revise the total chromium standard or to issue a separate hexavalent chromium standard and we have yet to propose a perchlorate standard (but must do so this spring).

Also please find the slide deck I plan to use in Friday's panel discussion. Let me know if you have any questions or concerns. With the attached slides.

Eric Burneson, P.E.
Director of Standards and Risk Management
Office of Ground Water and Drinking Water
U.S. Environmental Protection Agency
202 564 5250

From: Steve Via <SVia@awwa.org>
Sent: Sunday, March 03, 2019 5:50 PM
To: Brozena, Sarah <Sarah_Brozena@americanchemistry.com>; Burneson, Eric <Burneson.Eric@epa.gov>; Andes, Fredric P. <fandes@btlaw.com>; Fischer, David <David_Fischer@americanchemistry.com>; Brendan_Mascarenhas@americanchemistry.com
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Any feedback on attached w/r/t Friday's panel?

Steve

Steve Via
Director Federal Relations, AWWA | 202.326.6130

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From: Brozena, Sarah <Sarah_Brozena@americanchemistry.com>

Sent: Tuesday, February 26, 2019 3:33 PM

To: Brozena, Sarah; 'Burneson.eric@Epa.gov'; Andes, Fredric P.; Fischer, David; Steve Via; Mascarenhas, Brendan

Subject: GlobalChem Panel on Drinking Water Organizing Call

When: Wednesday, February 27, 2019 9:30 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).

Where: [Ex. 6 Personal Privacy (PP)] Pin# [Ex. 6 Personal Privacy (PP)]

TO: Eric Burneson, EPA

Fred Andes, Barnes and Thornburg

David Fischer, IBEX Partners

Steve Via, American Water Works Association

FROM: Sarah Brozena and Brendan Mascarenhas, ACC

RE: Organizing Call

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Sent: 3/4/2019 1:59:30 PM
To: Burneson, Eric [Burneson.Eric@epa.gov]; Brozena, Sarah [Sarah_Brozena@americanchemistry.com]; Andes, Fredric P. [fandes@btlaw.com]; Fischer, David [David_Fischer@americanchemistry.com]; Brendan_Mascarenhas@americanchemistry.com
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Thanks Eric.

My thought on slide 7 is only to illustrate how lower standards drive cost consequences. No intention of speaking to what action EPA is taking on either contaminant.

No worries with your talk from my point of view.

Have a great day.

Steve

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Sent: 3/3/2019 10:49:41 PM
To: Brozena, Sarah [Sarah_Brozena@americanchemistry.com]; Burneson, Eric [Burneson.Eric@epa.gov]; Andes, Fredric P. [fandes@btlaw.com]; Fischer, David [David_Fischer@americanchemistry.com]; Brendan_Mascarenhas@americanchemistry.com
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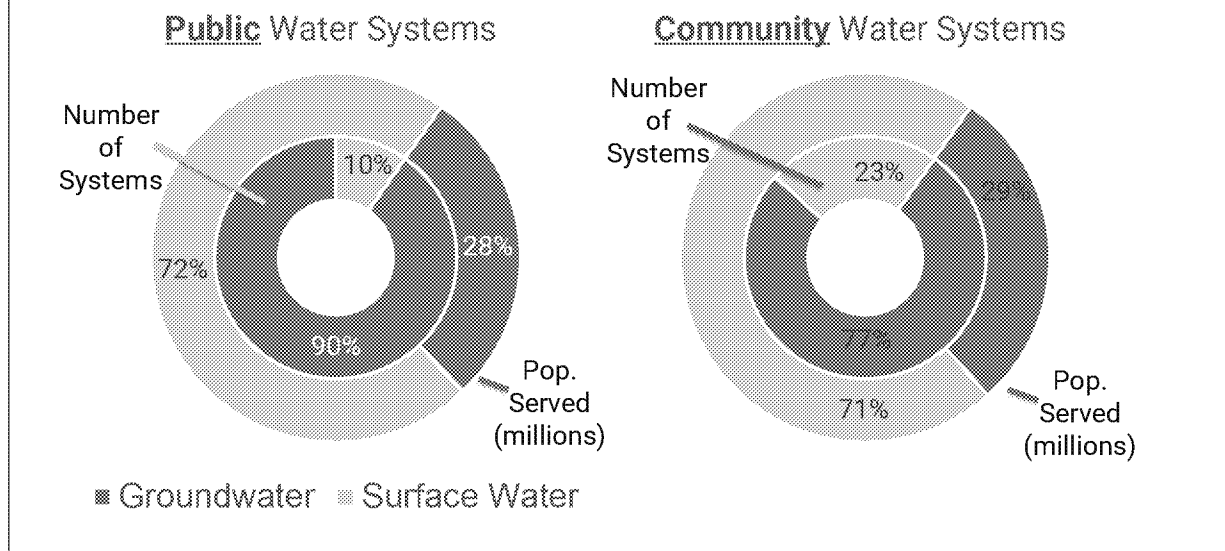
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CONTAMINANTS OF EMERGING CONCERN

STEVE VIA
AT GLOBALCHEM, WASHINGTON DC
MARCH 8, 2019

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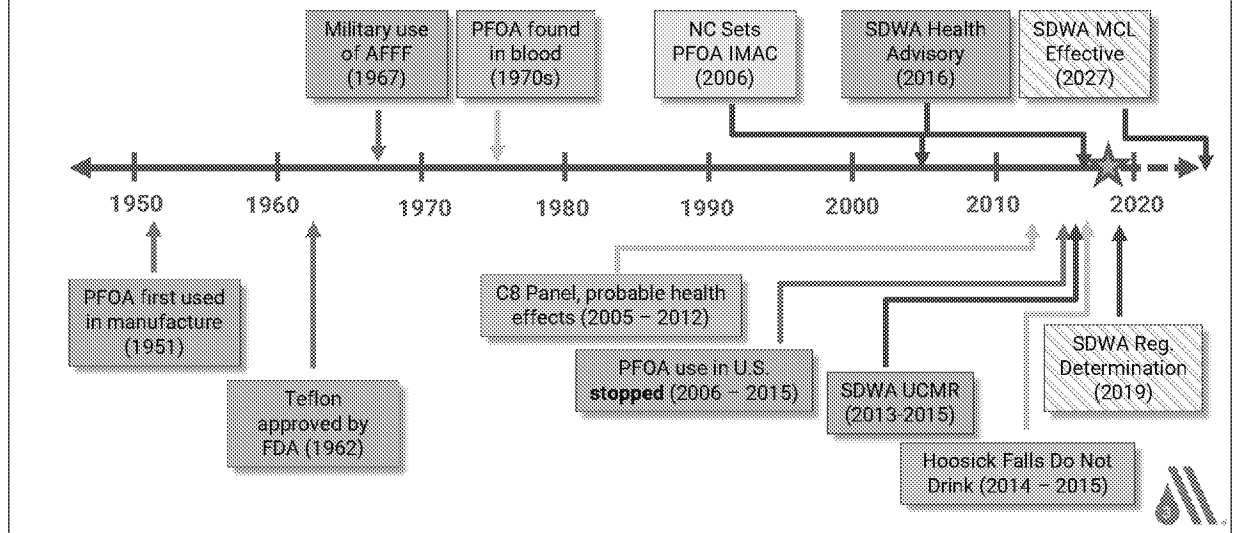


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When is something a “contaminant”?



The most salient points in this figure are not limited to PFAS, they apply equally well to:

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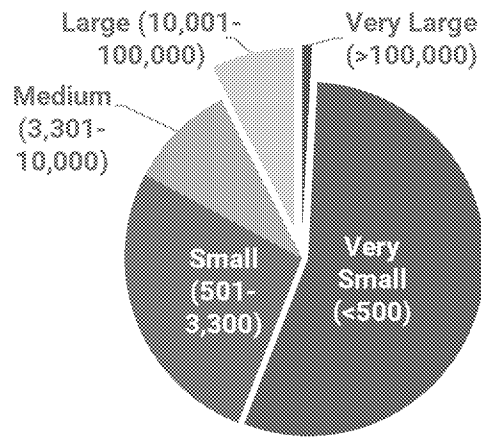
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Loss of supply

Consequences of System Size



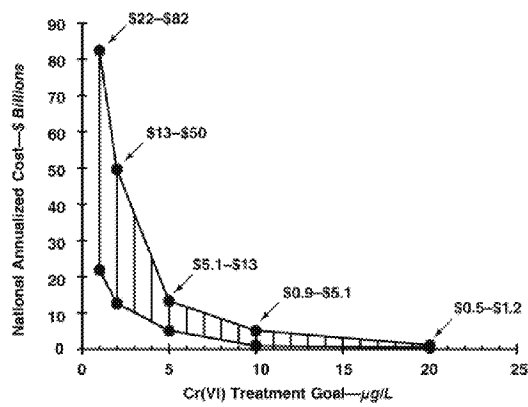
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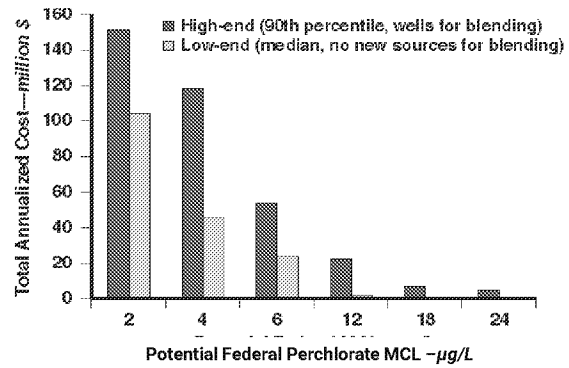
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National Consequences --Treatment Objectives Matter



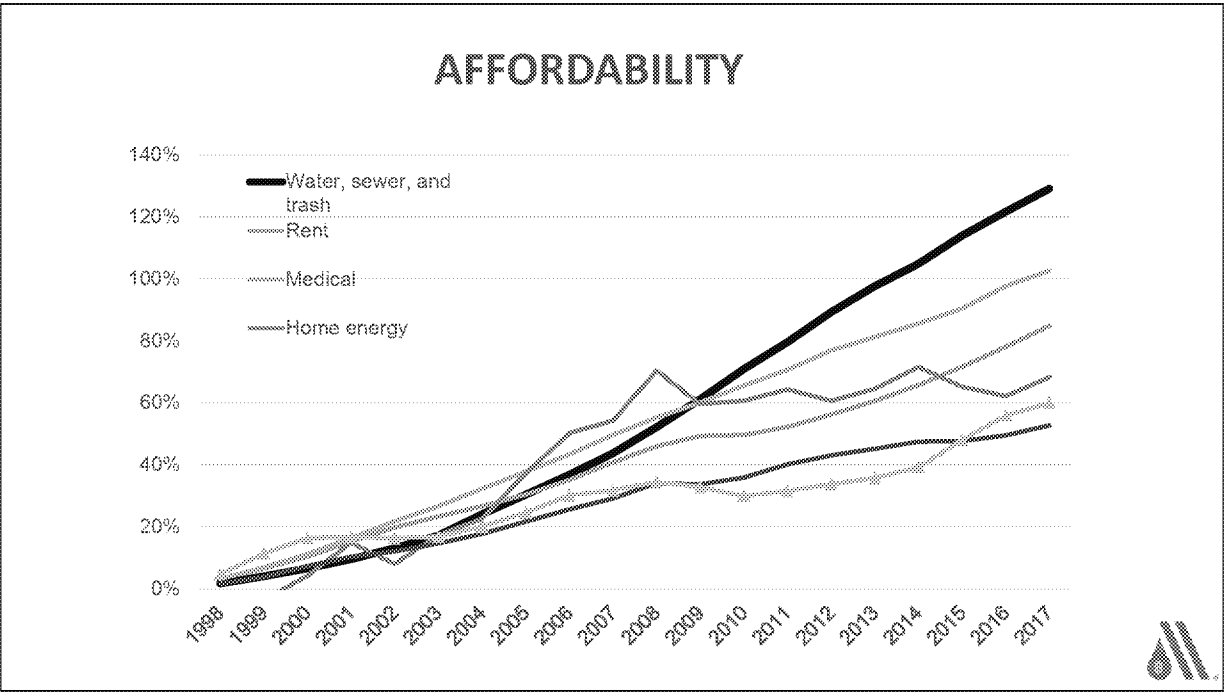
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Determines the number of facilities impacted



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Additional water supply
Resilience
Bimodal income distribution

CONTAMINANTS OF EMERGING CONCERN

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THINKING
ABOUT

- *Legionella*
- Cyanotoxins
 - Microcystins
 - Cylindrospermopsin
 - Saxotoxin
- Manganese
- Brominated and iodinated disinfection byproducts
- 1,2,3-Trichloropropane (TCP)
- 1,4-Dioxane
- Hexavalent chromium
- Pharmaceuticals
- Personal care products
- Endocrine Disruptors
- Microplastics



Message

From: Steve Via [SVia@awwa.org]
Sent: 3/8/2019 10:23:15 PM
To: Brendan_Mascarenhas@americanchemistry.com; Brozena, Sarah [Sarah_Brozena@americanchemistry.com]
CC: Burneson, Eric [Burneson.Eric@epa.gov]; Farris, Erika D. [Farris.Erika@epa.gov]
Subject: Presentation for packaging for distribution
Attachments: 2019 03 GlobalChem Via 3 8 .pptx

Sarah / Brendan,

Thank you for inviting me to participate in today's panel.

Please use the attached presentation when distributing presentations from today's event.

Have a great weekend.

Best regards,
Steve

Steve Via
Director Federal Relations, AWWA | 202.326.6130

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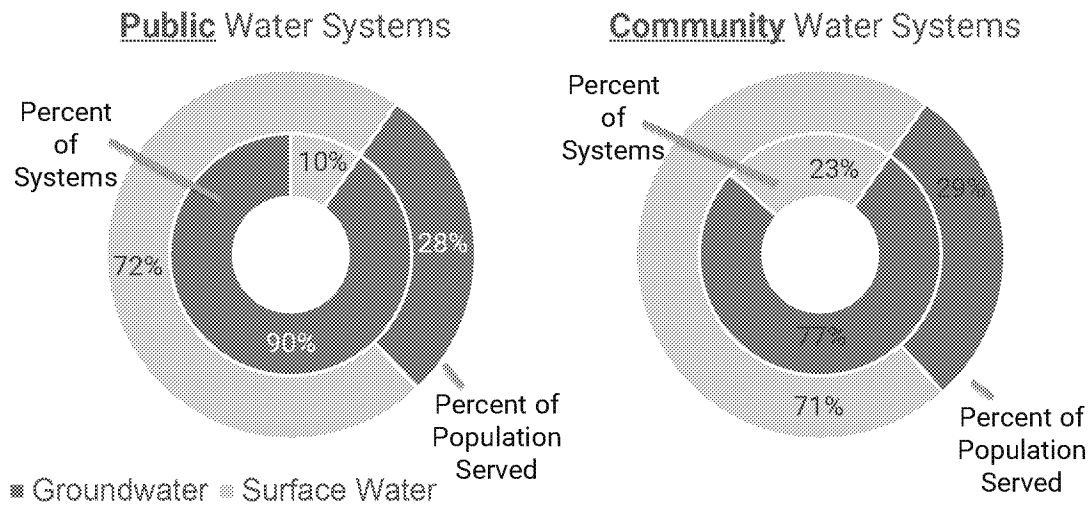
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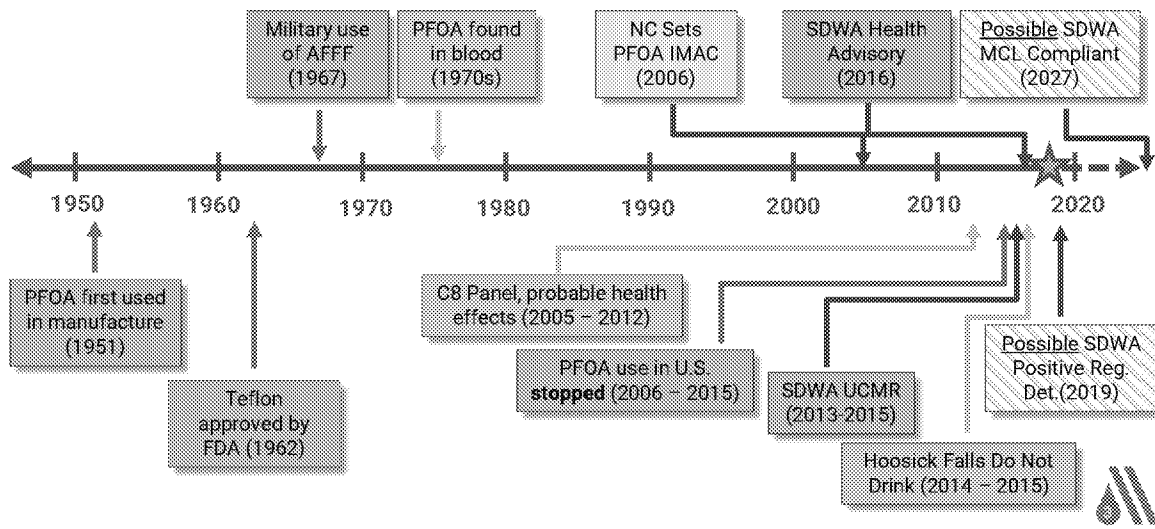
CONTAMINANTS OF EMERGING CONCERN

STEVE VIA
AT GLOBALCHEM, WASHINGTON DC
MARCH 8, 2019

Who Is Regulated Under SDWA?



A Case Study Example: PFOA – SDWA Process vs Chemical History



Entire SDWA Process Impacts Utilities

	Contaminant Candidate List	Health Advisory / Reference Level	Unregulated Contaminant Monitoring Rule	Regulatory Determination	Proposed Rule	Final Rule
Duration	5 – 20 years or longer	No precursor, permanent until replaced	New list every 5 years; <30 analytes	New list every 5 years; ≥5 decisions	2 – 3 years	2 – 3 years; permanent until replaced
Regulatory Action	None	States / EPA use in site-specific situations	Monitoring & publication of observations (see HA/RL implications)	None	None	Any necessary treatment, ongoing monitoring, enforceable & public notice
Planning	Enters planning considerations	Enters planning considerations	Considered in planning	Actively considered in planning	Active response	Reliable compliance with margin of safety
Public	Impacts awareness	Elevates awareness	Drives awareness	Focuses awareness	Focuses awareness	Engaged

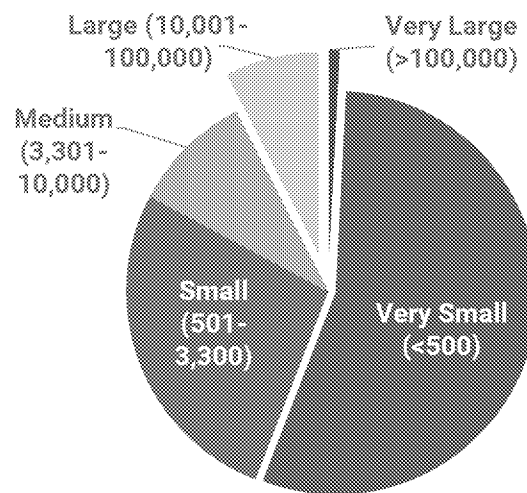


Cost Consequences

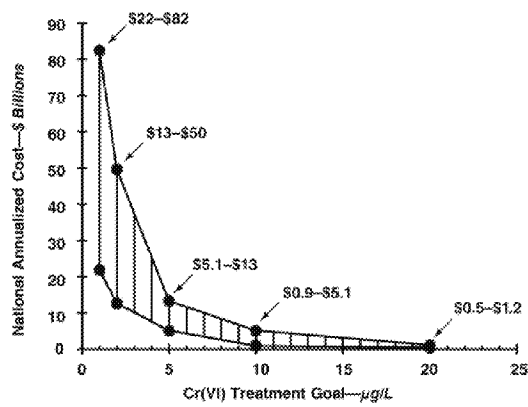
- More than 75% of community water systems are ground water systems
- Treatment (example theoretical 10 MGD facility)
 - Conventional treatment , \$ 30 – 40 million
 - Addition of granular activated carbon or ozone, another \$10 million
 - Addition of reverse osmosis, \$40 million
- In addition to treatment
 - Preparatory studies, piloting, design, construction oversight, etc.
 - Related costs (intakes, pipelines, storage, electrical, SCADA, personnel, etc.)
 - Unanticipated consequences (e.g., corrosion control)
 - Monitoring
 - Residual disposal



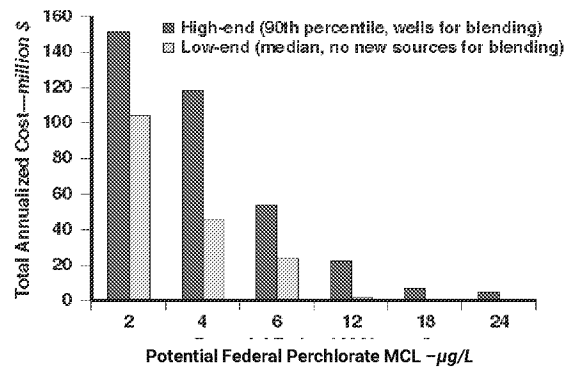
Consequences of System Size



National Consequences --Treatment Objectives Matter



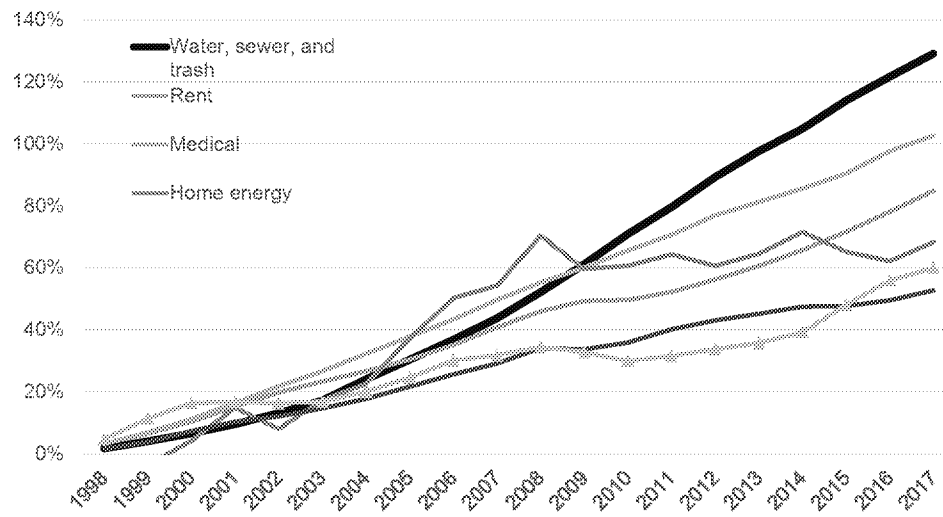
Journal - American Water Works Association, Volume: 105, Issue: 6, Pages: E320-E336, First published: 01 June 2013, DOI: (10.5942/jawwa.2013.105.0080)



Journal - American Water Works Association, Volume: 109, Issue: 2, Pages: E25-E36, First published: 01 February 2017, DOI: (10.5942/jawwa.2017.109.0009)



AFFORDABILITY



Some Other Emerging Contaminants that Water Systems Are Thinking About

- Cyanotoxins
 - Microcystins
 - Cylindrospermopsin
 - Saxotoxin
- Manganese
- Brominated and iodinated disinfection byproducts
- 1,2,3-Trichloropropane (TCP)
- 1,4-Dioxane
- Hexavalent chromium
- Pharmaceuticals
- Personal care products
- Endocrine Disruptors
- Microplastics



Message

From: Brozena, Sarah [Sarah_Brozena@americanchemistry.com]
Sent: 3/6/2019 10:59:15 PM
To: Burneson, Eric [Burneson.Eric@epa.gov]; svia@awwa.org; Andes, Fredric P. [fandes@btlaw.com]; Fischer, David [David_Fischer@americanchemistry.com]
CC: Brendan_Mascarenhas@americanchemistry.com
Subject: GlobalChem presentations
Attachments: BURNESON_GlobalChem DW contaminants of emerging concern 3 19.pptx; VIA_2019 03 GlobalChem Via.pptx; ANDES_globalchemandesslides030819.ppt; FISCHER ppt deck for GlobalChem.pptx

Dear Eric, Steve, Fred and David,

Attached are the presentations each of you sent in for Friday's GlobalChem panel discussion on Emerging Contaminants in Drinking Water. I thought each of you would like to see what the other would be covering. The session will be held on Friday, March 8 starting at 2:00 p.m. in the Palladian Ballroom at the Omni Shoreham Hotel in DC.

If we could meet up around the stage/podium a few minutes before the session on Friday, that would be great.

Let me know if you have any questions.

Thanks,
Sarah

Sarah H. Brozena

Senior Director, Regulatory & Technical Affairs
American Chemistry Council
700 Second St., NE
Washington, DC 20002
202-249-6403
Sarah_Brozena@americanchemistry.com

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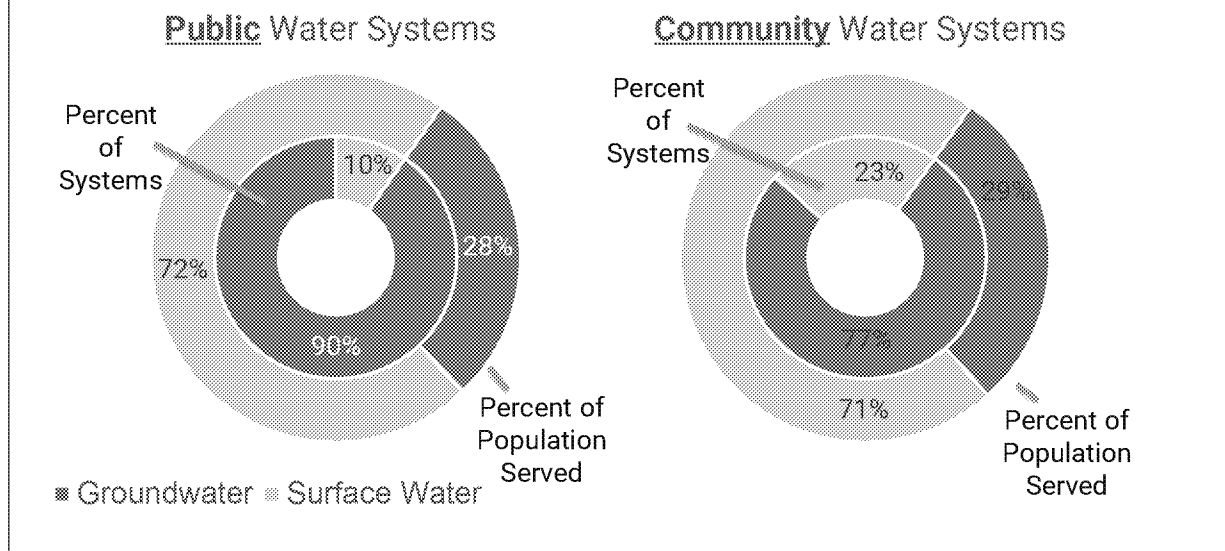
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CONTAMINANTS OF EMERGING CONCERN

STEVE VIA
AT GLOBALCHEM, WASHINGTON DC
MARCH 8, 2019

Who Is Regulated Under SDWA?



Population served is on the order of 300 million

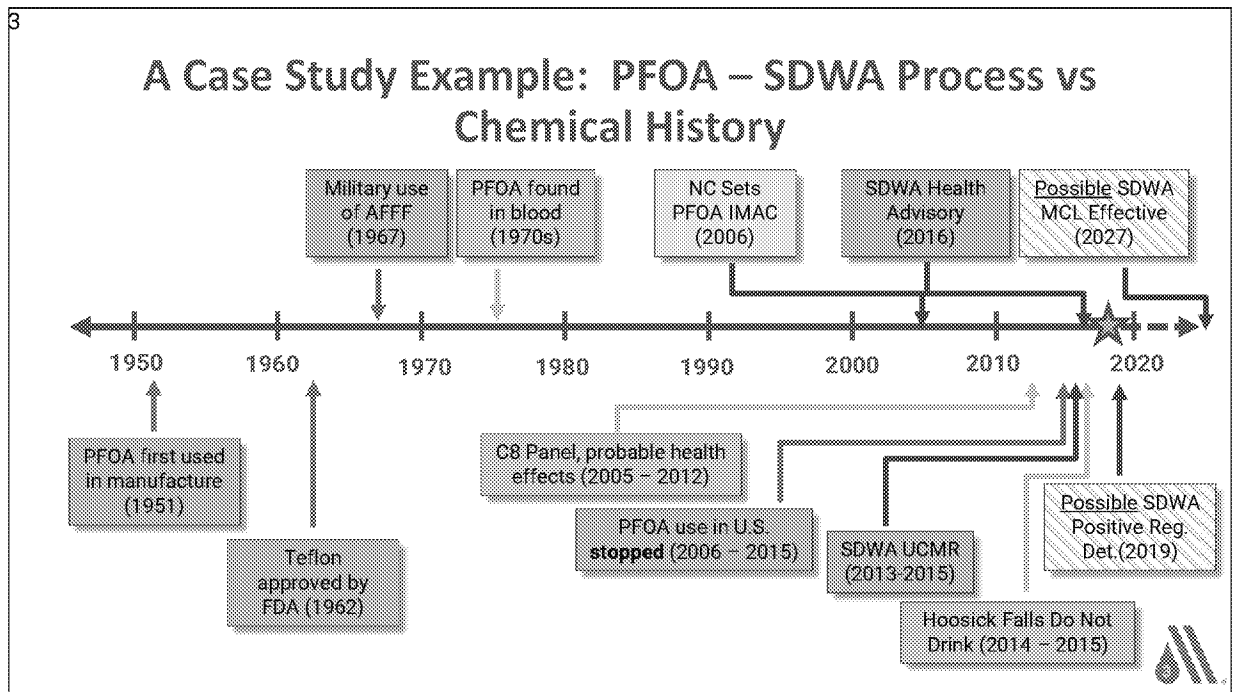
Roughly 150,000 PWSs

Roughly 50,000 CWSs

PWSs - "a system for the provision to the public of water for human consumption through pipes or other constructed conveyances, if such system has at least fifteen service connections, or regularly serves at least twenty-five individuals."

CWSs include public water systems that serve 25 people or 15 connections year-round.

NCWSs are PWSs that do not serve a permanent resident population



Every chemical history is different

The most salient points in this figure are not limited to PFAS, they apply equally well to:

Hexavalent chromium

Fire retardants that now replace PCBs

Nanomaterials

When environmental fate is not adequately considered early on

In the instance of PFAS there is significant public concern when occurrence is limited to very low concentrations at a limited number of systems

At present less than 2% of water systems have PFOA or PFOS above 70 ng/L

Individual state surveys are not turning up higher levels of occurrence.

There is limited occurrence of replacement chemicals in the same family though levels are seen in some locations at 100 ng/L levels.

PFAS is also indicative of other large groups chemicals that can be presented scientifically or to the public as being similar (e.g., pharmaceuticals)

Entire SDWA Process Impacts Utilities

	Contaminant Candidate List	Health Advisory / Reference Level	Unregulated Contaminant Monitoring Rule	Regulatory Determination	Proposed Rule	Final Rule
Duration	5 – 20 years or longer	No precursor, permanent until replaced	New list every 5 years; <30 analytes	New list every 5 years; >5 decisions	2 – 3 years	2 – 3 years; permanent until replaced
Regulatory Action	None	States / EPA use in site-specific situations	Monitoring & publication of observations (see HA/RL implications)	None	None	Any necessary treatment, ongoing monitoring, enforceable & public notice
Planning	Enters planning considerations	Enters planning considerations	Considered in planning	Actively considered in planning	Active response	Reliable compliance with margin of safety
Public	Impacts awareness	Elevates awareness	Drives awareness	Focuses awareness	Focuses awareness	Engaged



Analytical methods are key

Consistency in the health effects data

Degree to which contaminant is an anthropogenic, imposed contaminant concern matters in terms of public awareness and concern

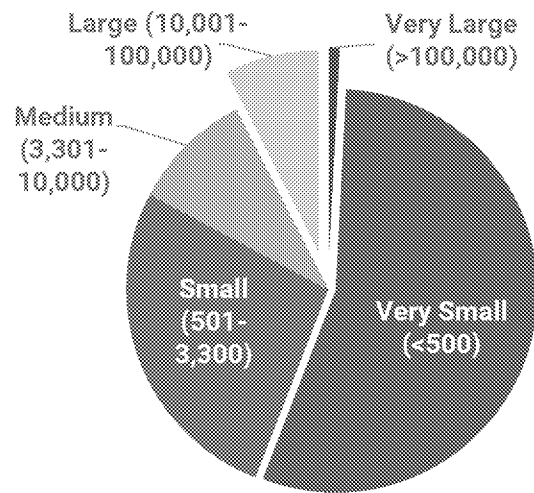
Cost Consequences

- More than 75% of community water systems are ground water systems
- Treatment (example theoretical 10 MGD facility)
 - Conventional treatment , \$ 30 – 40 million
 - Addition of granular activated carbon or ozone, another \$10 million
 - Addition of reverse osmosis, \$40 million
- In addition to treatment
 - Preparatory studies, piloting, design, construction oversight, etc.
 - Related costs (intakes, pipelines, storage, electrical, SCADA, personnel, etc.)
 - Unanticipated consequences (e.g., corrosion control)
 - Monitoring
 - Residual disposal



Loss of supply

Consequences of System Size



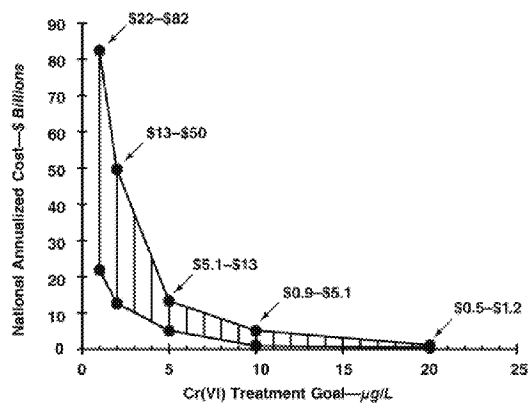
There are 150,000 public water systems

There are 50,000 community water systems (15 connections, same 25 people all year)

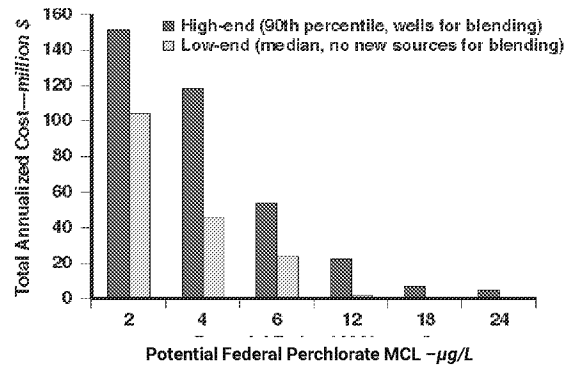
Less than 10 percent of community water systems serve more than 10,000 persons

Approximately 10% (about 4,200 systems) serve 10,000 or more people and provide drinking water to more than 80% of the U.S. population.

National Consequences --Treatment Objectives Matter



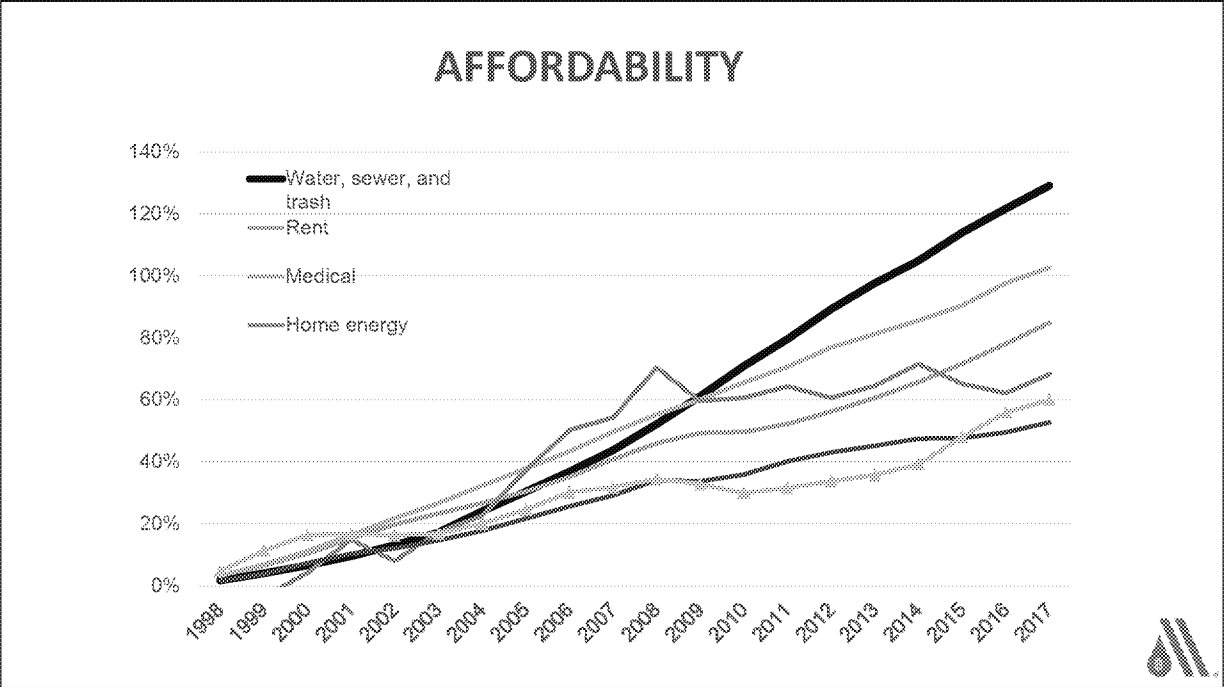
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Journal - American Water Works Association, Volume: 109, Issue: 2, Pages: E25-E36, First published: 01 February 2017, DOI: (10.5942/jawwa.2017.109.0009)



These slides are AWWA sponsored cost analyses of contaminants on different stages in the regulatory process at present
 Determines appropriate treatment - GAC, IX, RO, etc.
 Determines the number of facilities impacted



Infrastructure replacement
Additional water supply
Resilience
Bimodal income distribution

Some Other Emerging Contaminants that Water Systems Are Thinking About

- Cyanotoxins
 - Microcystins
 - Cylindrospermopsin
 - Saxotoxin
- Manganese
- Brominated and iodinated disinfection byproducts
- 1,2,3-Trichloropropane (TCP)
- 1,4-Dioxane
- Hexavalent chromium
- Pharmaceuticals
- Personal care products
- Endocrine Disruptors
- Microplastics



Message

From: Burneson, Eric [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=2CACB9A8D49F49AF80531E9E2CCB9018-EBURNESO]
Sent: 3/4/2019 4:52:10 PM
To: Steve Via [SVia@awwa.org]
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Agreed.

From: Steve Via <SVia@awwa.org>
Sent: Monday, March 04, 2019 11:51 AM
To: Burneson, Eric <Burneson.Eric@epa.gov>
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Probably not the best audience for general observations. They might go the wrong direction with the information.

Steve

Steve Via
Director Federal Relations, AWWA | 202.326.6130

From: Burneson, Eric <Burneson.Eric@epa.gov>
Sent: Monday, March 04, 2019 11:49 AM
To: Steve Via <SVia@awwa.org>
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Assuming you mean EPA's cost, yes it would be difficult to articulate but I could make some general observations about the Agency's resources.

From: Steve Via <SVia@awwa.org>
Sent: Monday, March 04, 2019 9:00 AM
To: Burneson, Eric <Burneson.Eric@epa.gov>
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

It would be entertaining but probably impossible to articulate what it costs to get through on or more step (CCL, UCMR, Reg Det, Proposal, Final, initial implementation/outreach / SDWIS).

Steve

Steve Via
Director Federal Relations, AWWA | 202.326.6130

From: Burneson, Eric <Burneson.Eric@epa.gov>
Sent: Monday, March 04, 2019 8:28 AM
To: Steve Via <SVia@awwa.org>; Brozena, Sarah <Sarah_Brozena@americanchemistry.com>; Andes, Fredric P. <fandes@btlaw.com>; Fischer, David <David_Fischer@americanchemistry.com>; Brendan Mascarenhas@americanchemistry.com
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Thanks Steve for sharing your presentation. I would ask that when delivering slide 7 you note that you are speculating on Agency decisions which have not been made with respect to the potential MCL's and treatment goals and MCLs for Hexavalent Chromium and Perchlorate. The Agency has not made a decision to revise the total chromium standard or to issue a separate hexavalent chromium standard and we have yet to propose a perchlorate standard (but must do so this spring).

Also please find the slide deck I plan to use in Friday's panel discussion. Let me know if you have any questions or concerns. With the attached slides.

Eric Burneson, P.E.
Director of Standards and Risk Management
Office of Ground Water and Drinking Water
U.S. Environmental Protection Agency
202 564 5250

From: Steve Via <SVia@awwa.org>
Sent: Sunday, March 03, 2019 5:50 PM
To: Brozena, Sarah <Sarah_Brozena@americanchemistry.com>; Burneson, Eric <Burneson.Eric@epa.gov>; Andes, Fredric P. <fandes@btlaw.com>; Fischer, David <David_Fischer@americanchemistry.com>;
Brendan_Mascarenhas@americanchemistry.com
Subject: RE: GlobalChem Panel on Drinking Water Organizing Call

Any feedback on attached w/r/t Friday's panel?

Steve

Steve Via
Director Federal Relations, AWWA | 202.326.6130

-----Original Appointment-----

From: Brozena, Sarah <Sarah_Brozena@americanchemistry.com>
Sent: Tuesday, February 26, 2019 3:33 PM
To: Brozena, Sarah; 'Burneson.eric@Epa.gov'; Andes, Fredric P.; Fischer, David; Steve Via; Mascarenhas, Brendan
Subject: GlobalChem Panel on Drinking Water Organizing Call
When: Wednesday, February 27, 2019 9:30 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: [Ex. 6 Personal Privacy (PP)] Pin# [Ex. 6 Personal Privacy (PP)]

TO: Eric Burneson, EPA
Fred Andes, Barnes and Thornburg
David Fischer, IBEX Partners
Steve Via, American Water Works Association
FROM: Sarah Brozena and Brendan Mascarenhas, ACC
RE: Organizing Call
DATE: Feb. 26, 2019

Brendan and I hope to talk to you all tomorrow, Wed., Feb. 27 at 9:30 a.m. about the GlobalChem panel next week. Thanks

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Sent: Tuesday, February 26, 2019 3:33 PM

To: Brozena, Sarah; 'Burneson.eric@Epa.gov'; Andes, Fredric P.; Fischer, David; Steve Via; Mascarenhas, Brendan

Subject: GlobalChem Panel on Drinking Water Organizing Call

When: Wednesday, February 27, 2019 9:30 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).

Where: Ex. 6 Personal Privacy (PP) Pin# Ex. 6 Personal Privacy (PP)

TO: Eric Burneson, EPA

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Attachments: GlobalChem DW contaminants of emerging concern 3 19.pptx

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Message

From: Gibson, Mark [mark_gibson@americanchemistry.com]
Sent: 9/3/2019 7:16:00 PM
To: Hernandez-Quinones, Samuel [Hernandez.Samuel@epa.gov]
Subject: RE: Posting status of ACC's comments on proposed perchlorate NPDWR?
Attachments: ATT00001.txt

Hello Sam.

Thanks for the timely response.

Cheers,

Mark Gibson

From: Hernandez-Quinones, Samuel [mailto:Hernandez.Samuel@epa.gov]
Sent: Tuesday, September 3, 2019 2:52 PM
To: Gibson, Mark <mark_gibson@americanchemistry.com>
Subject: RE: Posting status of ACC's comments on proposed perchlorate NPDWR?

Hi Mark

The comment letter was posted on the public website today. We received ACC's letter on August 26, 2019.

The letter is available at <https://www.regulations.gov/document?D=EPA-HQ-OW-2018-0780-0263>

Thanks
Sam

=====

Samuel Hernández Quiñones, P.E.
Environmental Engineer
Office of Water
Environmental Protection Agency
1200 Pennsylvania Ave. NW
Washington, DC 20460
202-564-1735

"USEPA Protecting Human Health and the Environment"

From: Gibson, Mark <mark_gibson@americanchemistry.com>
Sent: Tuesday, September 03, 2019 11:31 AM
To: Hernandez-Quinones, Samuel <Hernandez.Samuel@epa.gov>
Subject: Posting status of ACC's comments on proposed perchlorate NPDWR?

Good morning Mr. Hernandez.

My name is Mark Gibson and I work for ACC's Chlorine Chemistry Division. I am writing to ask if you can tell me the posting status of ACC's comments to regulations.gov per forwarded email below. If you can suggest an alternative person to contact, please do so.

Thank you,

Mark

Mark C. Gibson | American Chemistry Council
Director, Chlorine Issues
Mark_Gibson@americanchemistry.com
700 2nd Street NE | Washington, DC | 20002
O: 202-249-6738 | C: Ex. 6 Personal Privacy (PP)
www.americanchemistry.com

From: no-reply@regulations.gov [<mailto:no-reply@regulations.gov>]
Sent: Monday, August 26, 2019 4:21 PM
To: Gibson, Mark <mark_gibson@americanchemistry.com>
Subject: Your Comment Submitted on Regulations.gov (ID: EPA-HQ-OW-2018-0780-0001)



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Your comment was submitted successfully!

Comment Tracking Number: 1k3-9btw-97ub

Your comment may be viewable on Regulations.gov once the agency has reviewed it. This process is dependent on agency public submission policies/procedures and processing times. Use your tracking number to find out the status of your comment.

Agency: Environmental Protection Agency (EPA)
Document Type: Rulemaking
Title: National Primary Drinking Water Regulations: Perchlorate
Document ID: EPA-HQ-OW-2018-0780-0001

Comment:
Please see the attached comments of the American Chemistry Council.

Uploaded File(s):

- ACC Comments_perchlorate in DW_8-26-19_FINAL.pdf

For further information about the Regulations.gov commenting process, please visit
<https://www.regulations.gov/faqs>.

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Message

From: Gibson, Mark [mark_gibson@americanchemistry.com]
Sent: 9/3/2019 3:30:43 PM
To: Hernandez-Quinones, Samuel [Hernandez.Samuel@epa.gov]
Subject: Posting status of ACC's comments on proposed perchlorate NPDWR?

Good morning Mr. Hernandez.

My name is Mark Gibson and I work for ACC's Chlorine Chemistry Division. I am writing to ask if you can tell me the posting status of ACC's comments to regulations.gov per forwarded email below. If you can suggest an alternative person to contact, please do so.

Thank you,

Mark

Mark C. Gibson | American Chemistry Council
Director, Chlorine Issues
Mark_Gibson@americanchemistry.com
700 2nd Street NE | Washington, DC | 20002
O: 202-249-6738 | C: Ex. 6 Personal Privacy (PP)
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Document Type: Rulemaking
Title: National Primary Drinking Water Regulations: Perchlorate
Document ID: EPA-HQ-OW-2018-0780-0001

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Message

From: Hernandez-Quinones, Samuel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4C46D56B82F143DF82F81D322BD109D7-HERNANDEZ-QUINONES, SAMUEL]
Sent: 9/3/2019 6:52:14 PM
To: Gibson, Mark [mark_gibson@americanchemistry.com]
Subject: RE: Posting status of ACC's comments on proposed perchlorate NPDWR?

Hi Mark

The comment letter was posted on the public website today. We received ACC's letter on August 26, 2019.

The letter is available at <https://www.regulations.gov/document?D=EPA-HQ-OW-2018-0780-0263>

Thanks
Sam

=====

Samuel Hernández Quiñones, P.E.
Environmental Engineer
Office of Water
Environmental Protection Agency
1200 Pennsylvania Ave. NW
Washington, DC 20460
202-564-1735

"USEPA Protecting Human Health and the Environment"

From: Gibson, Mark <mark_gibson@americanchemistry.com>
Sent: Tuesday, September 03, 2019 11:31 AM
To: Hernandez-Quinones, Samuel <Hernandez.Samuel@epa.gov>
Subject: Posting status of ACC's comments on proposed perchlorate NPDWR?

Good morning Mr. Hernandez.

My name is Mark Gibson and I work for ACC's Chlorine Chemistry Division. I am writing to ask if you can tell me the posting status of ACC's comments to regulations.gov per forwarded email below. If you can suggest an alternative person to contact, please do so.

Thank you,

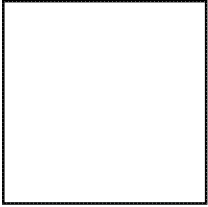
Mark

Mark C. Gibson | American Chemistry Council
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Document Type: Rulemaking

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